BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Improvements to Roads and Drains at Shabarinagar in Ward No.6 Byatarayanapura Sub Division

			Estimate Cost Rs.					3000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2015-16	cum							
	Desilting of Drains								
	Shabarinagara 1st Cross		2	200.00	0.35	0.25	35.00		
	2nd Cross		2	200.00	0.35	0.25	35.00		
	3rd Cross		2	200.00	0.35	0.25	35.00		
	Cross Road		2	67.00	0.35	0.25	11.73		
							116.73	159.84	**18657.00**
	Basic Rate	148.00							
	Area Weightage @ 8%	11.84							
	Total	**159.84**							
2	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2015-16	Sqm							
	Shabarinagara 1st Cross		2	200.00	1.65		660.00		
	2nd Cross		2	200.00	1.65		660.00		
	3rd Cross		2	200.00	1.65		660.00		
	Cross Road		2	67.00	1.65		221.10		
							2201.10		
	Deduct 25% Missing Slabs						550.28		
							1650.83	63.72	**105191.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	**63.72**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2015-16	Sqm							
			Qty Vide Item No.3				1650.83		
							1650.83	**78.84**	**130151.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	**78.84**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	**Sqm**							
	For Missing slabs (25%)		Missing Slabs				550.28		
							550.28	663.12	**364898.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	614.00							
	Area Weightage @ 8%	49.12							
	Total	**663.12**							
5	KSRRB 300-49: scarifying bituminous course 50mm to 75mm thick along with premix carpet/surface dressing by manual means without disturbing the base and stacking of the debris materials within a lead of 100 meters including cost of all labour charges complete as per specifications. MORTH chapter 3, No. 155/ Item No. 19.55/ PWD SR 2015-16	**Sqm**							
	Shabarinagara 1st Cross		1	200.00	5.00		1000.00		
	2nd Cross		1	200.00	5.00		1000.00		
	3rd Cross		1	200.00	5.00		1000.00		
	Cross Road		1	67.00	5.00		335.00		
							3335.00	57.24	**190895.00**
	Basic Rate	53.00							
	Area Weightage @ 8%	4.24							
	Total	**57.24**							
6	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 154/ Item No. 20.18/ PWD SR 2015-16	Cum							
	Shabarinagara 1st Cross		1	200.00	5.00	0.20	200.00		
	2nd Cross		1	200.00	5.00	0.20	200.00		
	3rd Cross		1	200.00	5.00	0.20	200.00		
	Cross Road		1	67.00	5.00	0.20	67.00		
							667.00	1713.96	**1143211.00**
	Basic Rate	1587.00							
	Area Weightage @ 8%	126.96							
	Total	**1713.96**							
7	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 157/ Item No. 21.5/ PWD SR 2015-16	Sqm							
	Shabarinagara 1st Cross		1	200.00	5.00		1000.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	2nd Cross		1	200.00	5.00		1000.00		
	3rd Cross		1	200.00	5.00		1000.00		
	Cross Road		1	67.00	5.00		335.00		
							3335.00	70.20	**234117.00**
	Basic Rate	65.00							
	Area Weightage @ 8%	5.20							
	Total	**70.20**							
8	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 159/ Item No. 21.21.1/ PWD SR 2015-16	Cum							
	Shabarinagara 1st Cross		1	200.00	5.00	0.025	25.00		
	2nd Cross		1	200.00	5.00	0.025	25.00		
	3rd Cross		1	200.00	5.00	0.025	25.00		
	Cross Road		1	67.00	5.00	0.025	8.38		
							83.38	9264.24	**772406.00**
	Basic Rate	8578.00							
	Area Weightage @ 8%	686.24							
	Total	**9264.24**							
9	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**116.73**		
							116.73	67.32	**7858.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
							Grand Total		**2967384.00**
10	For 1% Third Party Inspection Charges								**29674.00**
11	Miscesallaneous Charges	L/S							2942
								Total	**3000000.00**

Rupees Thirty Lakh(s) Only

Technical Sanction
Accorded For ...30.00 lakhs
Head of A/C...P-3075
CER NO :10/15-16... Dt:26.12.15
Superintending Engineer
Yelahanka Zone
BBMP, Bangalore

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092
14/15

Assistant Engineer

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Administrative Approval
Accorded For 30.00 lakhs
Head of A/C...P3075
CER NO :...47... Dt:...14.12.15

TA CE (YNK)

Name of Wrok: Improvements to Roads and Drains at Shabarinagar in Ward No.6 Byatarayanapura Sub Division

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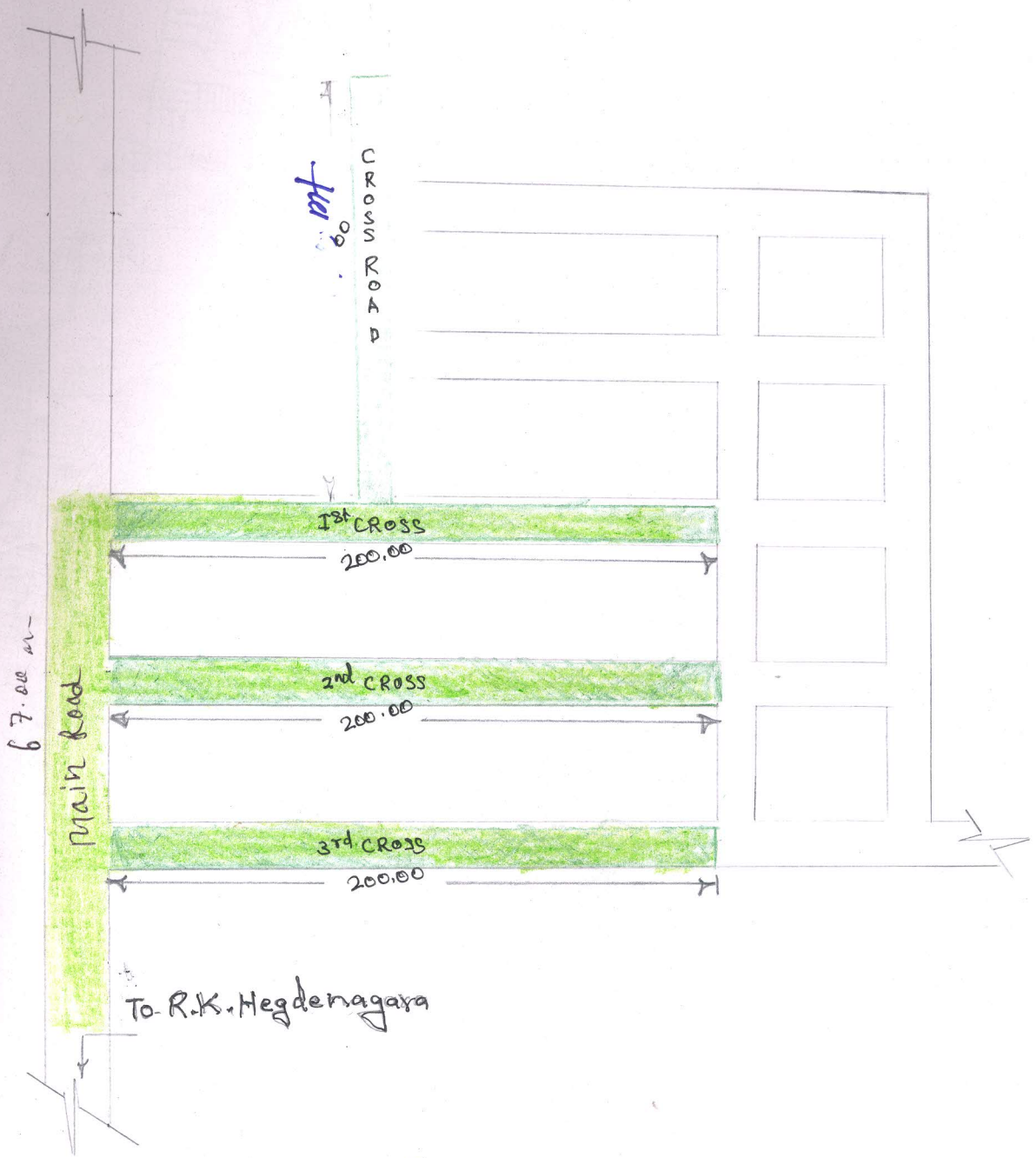
PROPOSED SDBC,



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

30/10/15
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24